



Agenda



- Persistent Conflict & Army Imperatives
- @CIO/G-6 Campaign Plan & Strategy
- **@CIO/G-6 Focus Areas**
 - Network Service Centers
 - Cyber Operations/Warfare
 - Knowledge Management & Data Czar
 - Program Objective Memorandum 2010-2015
- **©** Conclusions



Era of Persistent Conflict





Protracted confrontation ... fueled by six important trends



4 Army Imperatives





IMPERATIVES

- Sustain
- Prepare
- Reset
- Transform

2011 **FUTURE**

Current and **Future Demands**

Readiness + Strategic Flexibility Sustain Volunteer Force



- Steady-State Achieved via Army Force Generation Process
- Full Spectrum Readiness
- Reconditioning and Recapitalization of Equipment
- Better Facilities and Increased **Dwell Time for Soldiers**

- Demand Exceeding Supply
- Counterinsurgency-Focused Force
- Accelerated Equipment Wear-Out
- Soldier and Family Stress



Army CIO/G-6 Strategic Goals



- 1
- Develop and maintain a <u>secure, seamless, interdependent</u> <u>LandWarNet Network</u>
- 2
- Lead <u>enterprise integration</u> by transforming <u>processes</u>, <u>applications and data</u> into net-enabled capabilities
- 3
- Provide capabilities to enable <u>secure systems</u>, <u>networks</u>, <u>and information</u>
- 4
- Optimize Army <u>Information Technology & Information</u> <u>Management investments</u> across Joint & Army capabilities
- 5
- Develop the Army's <u>Information Technology & Information</u> <u>Management knowledge & skills</u> to support mission needs
- 6
- Deliver an Integrated Enterprise Strategy to further Army & Joint warfighting capabilities



Army CIO/G-6 Strategic Goals



Army CIO/G-6 Strategy Map

VISION: Deliver a Joint, net-centric information enterprise enabling warfighter decision superiority

ENDS

Develop LandWarNet Operational Capabilities Develop the LandWarNet Institutional Infrastructure

MISSION: Provide architecture, governance, portfolio management, strategy, C4IT acquisition oversight and operational capabilities to enable Joint expeditionary, net-centric information dominance for the Army.

WAYS

maintain a
secure,
seamless,
interdependent
LandWarNet
network by
leading
development and
enforcing use of
an integrated
architecture.

Develop and

Lead enterprise integration to achieve decision superiority by transforming processes, applications, and data into net-centric capabilities across the Army.

Protect and defend the Army's systems, networks, and information. Ensure Army information management and information technology investments maximize Army and Joint capabilities.

Develop Army's information management and information technology knowledge and skills to support mission needs.

Deliver an integrated enterprise strategy that influences Joint and Army use of information management and information technology in furthering warfighting capabilities.

MEANS

Secure financial resources.

Secure human resources.

Secure relationships with science and industry to influence technology.



CIO/G-6 Focus Areas



- Network Service Centers
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A Network-Dependent Force

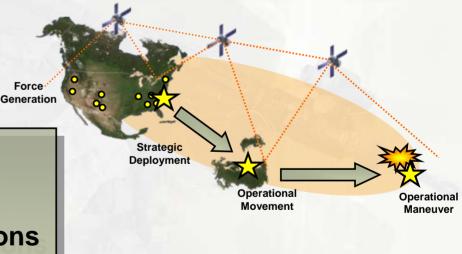


The strategic environment and demands of commandercentric, network-enabled expeditionary operations, significantly increases network reliance

FM 6-0 Mission Command: Command and Control of Army Forces

The Network Constantly and Simultaneously Supports Multiple Global Priorities, Enabling the Commander to:

- Gain information superiority
- Make informed decisions
- Synchronize the warfighting functions



Commanders must have a full suite of network capabilities throughout all phases

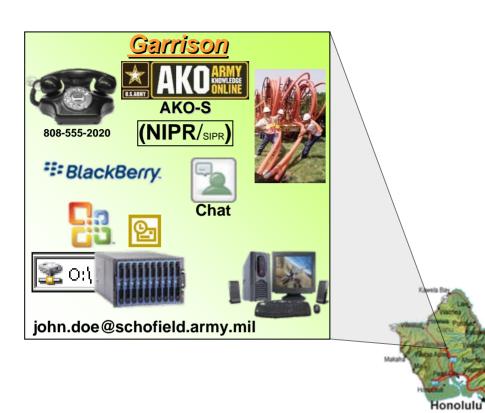




A Soldier's Story









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2-25cdr@2-25.25idl.army.smil.mil





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Chat

*** BlackBerry.





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A Soldier's Story





Ideal End-State

Universal E-Mail Address
Universal File Storage
One Telephone Number
Standard Collaboration Tool Set

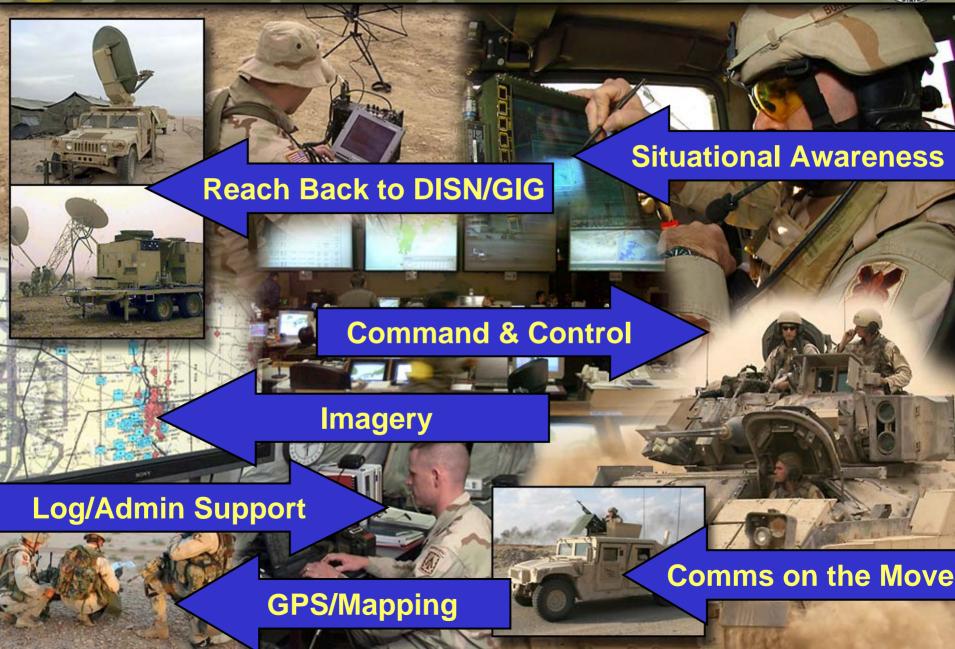






Warfighter SATCOM Requirements





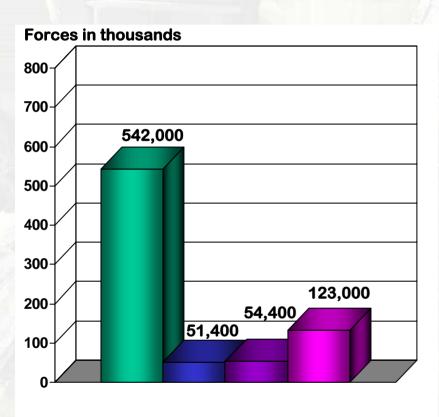


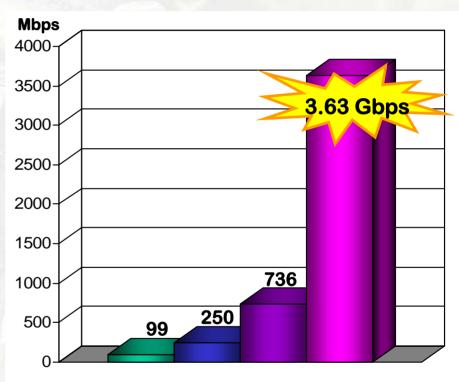
Historical SATCOM Usage



DEPLOYED FORCES

BANDWIDTH USED



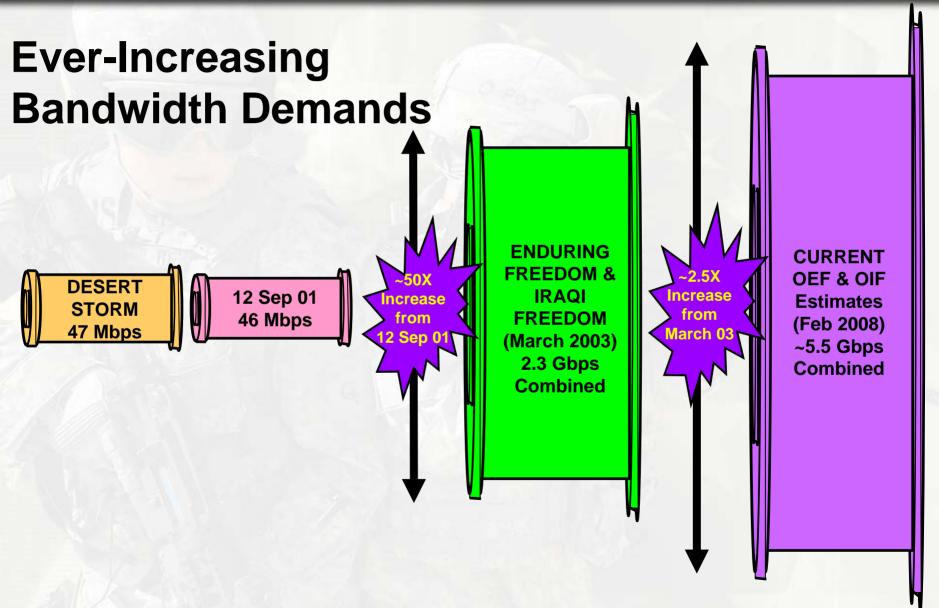






USCENTCOM Bandwidth

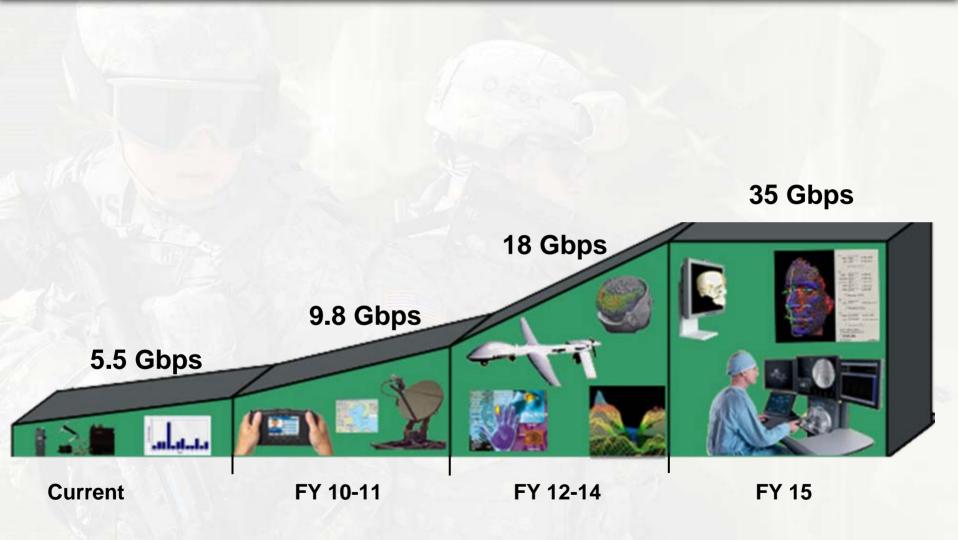






USCENTCOM Requirements (Projected)



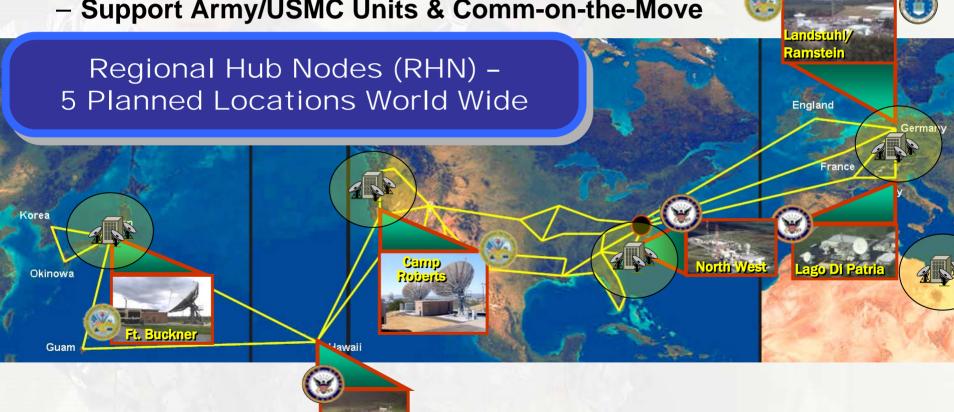




Regional Hub Nodes



- > Five locations to provide complete & overlapping coverage of Combatant Command Areas of Responsibility (AOR)
 - All connected to the Global Information Grid (GIG)
 - Focus on Intertheater vs. Reachback via Teleports
 - Support Army/USMC Units & Comm-on-the-Move

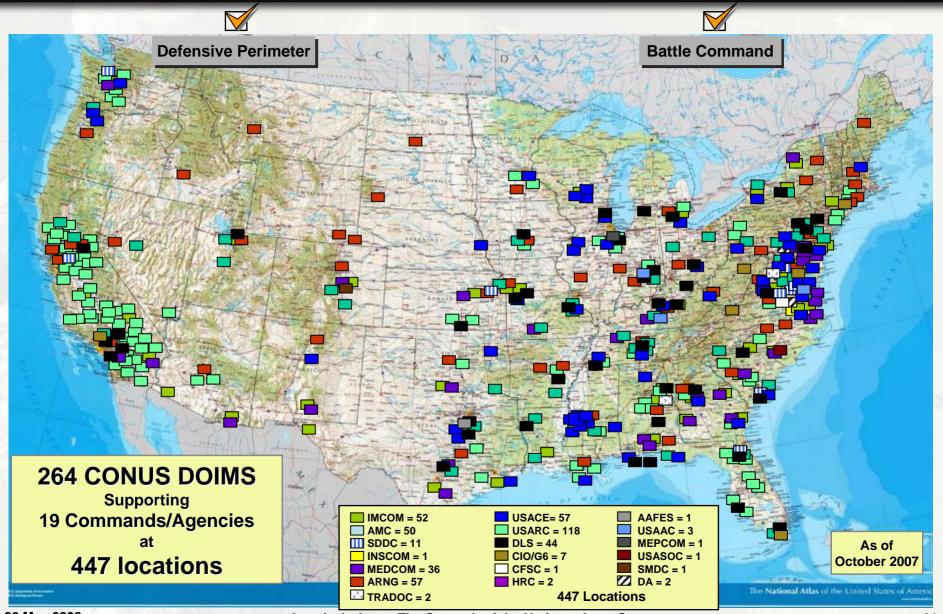






CONUS Mission Environment Priority of Effort



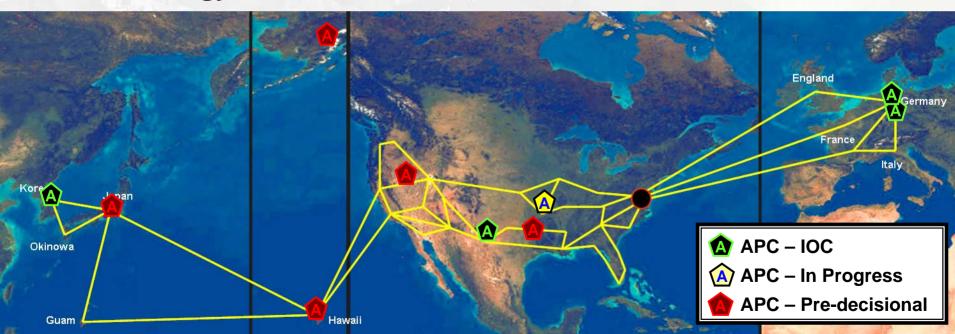




Area Processing Centers



- ➤ The purpose of the APC initiative is to improve delivery services through:
 - Achieving Net-Centric Operations and Warfare Environment
 - Improving IA and Security Posture
 - Reducing Total Cost of Ownership (TCO) for Information Technology





Theater NetOps & Security Centers



- Six locations to provide complete & overlapping coverage of Combatant Command Areas of Responsibility (AOR)
 - GIG Enterprise Management, Content Management, Network Defense, Spectrum Management, Applications & Help Desk
 - NetOps enhanced Situation Awareness & optimize GIG availability
 - Collocated RCERT for increased Information Assurance & Security





Network Service Center – Concept



Regional Hub Node (RHN)

- Provides Global Transport
- Intra-Theater Connectivity
- Up to 3 Div per Hub Node
- Connect to each other & DISN services in garrison

Area Processing Center (APC)

- Data & Applications
- Consolidated IT hardware
- Projection & forward staging of info & services

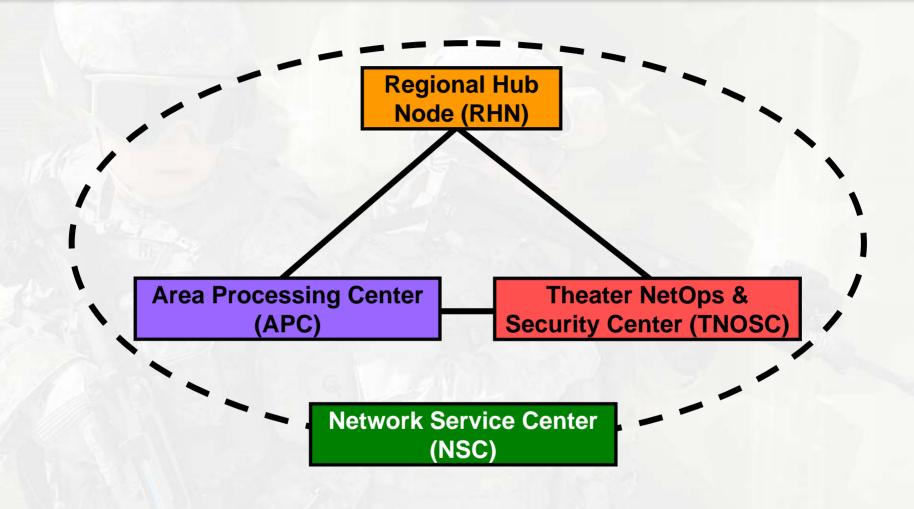
Theater NetOps & Security Center (TNOSC)

- Technical oversight, enterprise, content, spectrum & Help Desk
- NetOps SA & optimize GIG avail
- Information Assurance & Security



Network Service Center – Concept



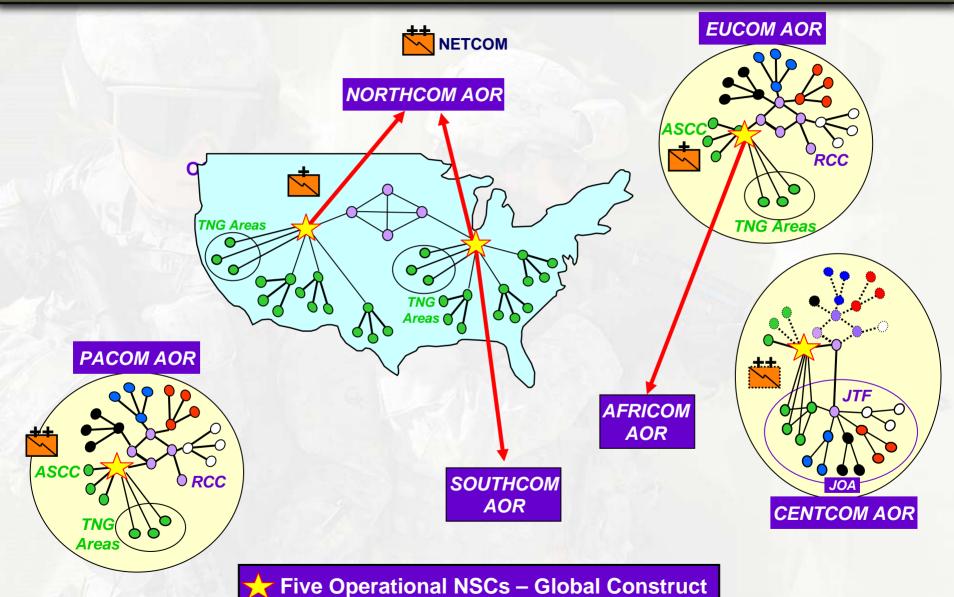


The "Always On" Network



Global NSC Construct







CIO/G-6 Focus Areas



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Cyber Operations Governance



Agencies

Field Activities Others (40)



General Kevin P. Chilton **CDR USSTRATCOM**

Lt Gen Croom **CDR JTF-GNO BG Napper DEP CDR JTF-GNO**

Headquarters (4)



OSD (x2)



DOD IG



Joint Staff

Services (4)

NetOps Ctrs (7)



Army



Air Force



DISA (x7)



Navv



Marine Corps

Operational Control of Service Network Operations and Security Centers **Combatant Commanders (10)**



SOCOM



CENTCOM



EUCOM



PACOM





SOUTHCOM STRATCOM



NORTHCOM



JFCOM



TRANSCOM

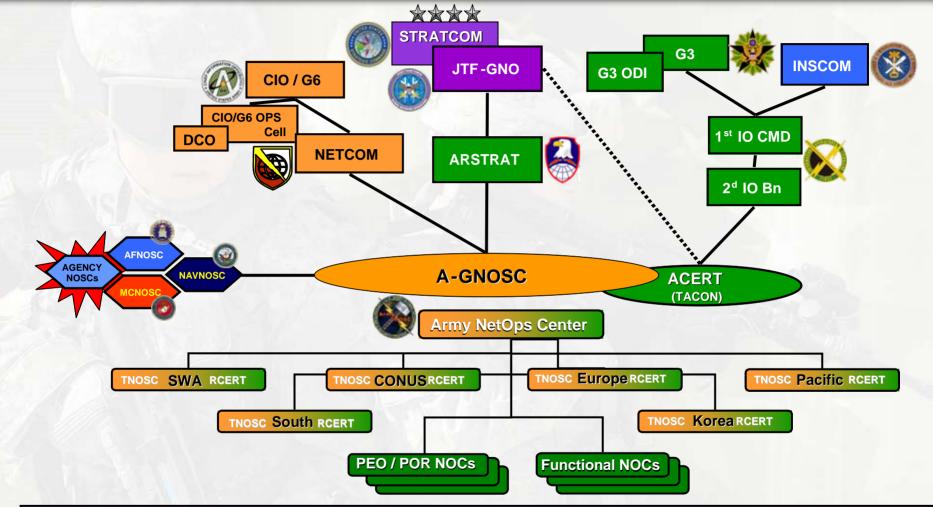


30 May 2008



Army Cyber Operations Support





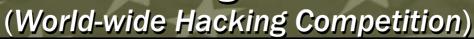
Cyberspace: "A global domain within the information environment consisting of the interdependent network of information technology infrastructures that includes the Internet, telecommunications networks, computer systems, and embedded processors and controllers in critical industries."

DepSecDef Memorandum – 21 Feb 08



Capture The Flag – Final Standing









CIO/G-6 Focus Areas

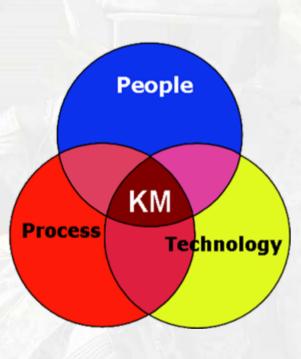


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Army KM – Organizing Framework





People:

- ✓ Foster culture that encourages and rewards sharing
- ✓ Identify & develop knowledge managers
- ✓ Motivate personnel to use tools & portals

Process:

- √Link KM to organizational processes
- ✓ Leverage "best known" practices

Technology:

- ✓ Enables enterprise-wide knowledge transfer
- ✓ Knowledge portals (i.e. AKO/DKO/JKO, SharePoint, BCKS, Best of Breed, etc.)
- ✓ Secure the network



Sustainment Knowledge Network (SKN)

Sustain WfF Knowledge Management Vision







Heavy BCT Warfighters' Forum Web Portal



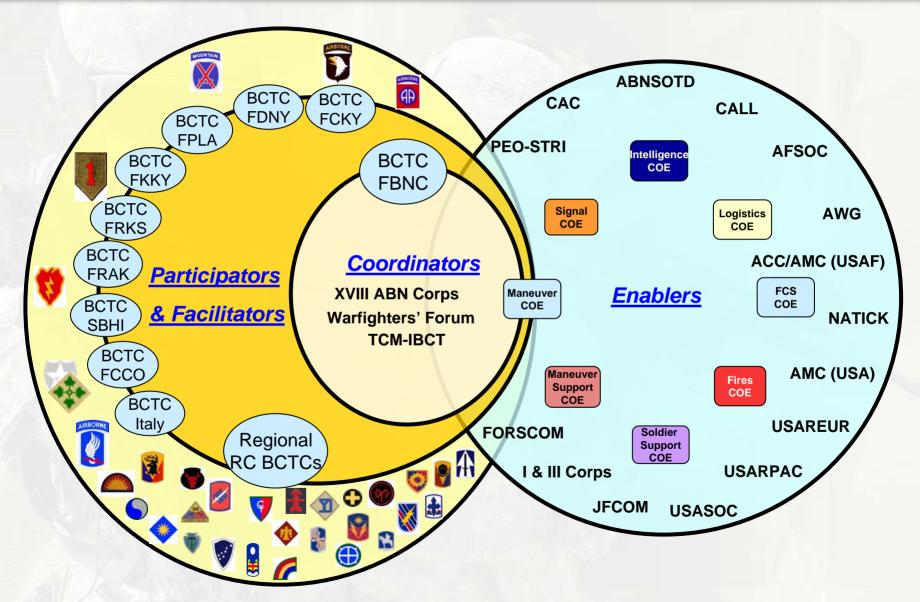


https://www.us.army.mil/suite/page/432229



IBCT WfF Senior Mentor Symposium (







WfF Website URLs



★ Stryker BCT WfF:

https://strykernet.army.mil/sites/warrior/default.aspx

★ Heavy BCT WfF (Behind AKO):

https://www.us.army.mil/suite/page/432229

★ Infantry BCT WfF (behind BCKS) Can only be reached by clicking on IBCT WfF link on ACOM home page on AKO. ACOM Portal Home Page:

https://www.us.army.mil/suite/page/452027

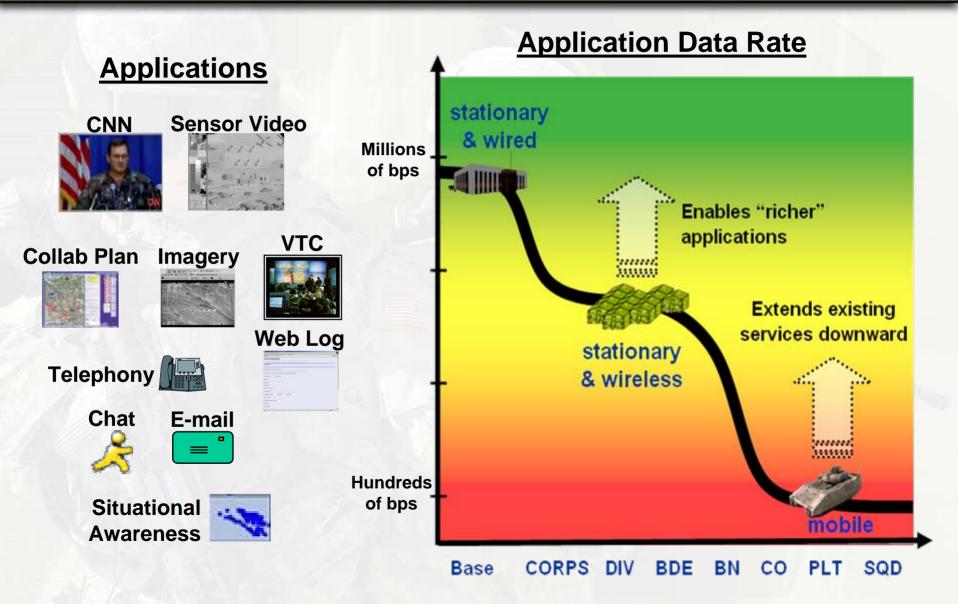
★ Sustainment WfF (Behind AKO):

https://www.us.army.mil/suite/page/505128



What's Driving Change? Bandwidth, Mobility, ...



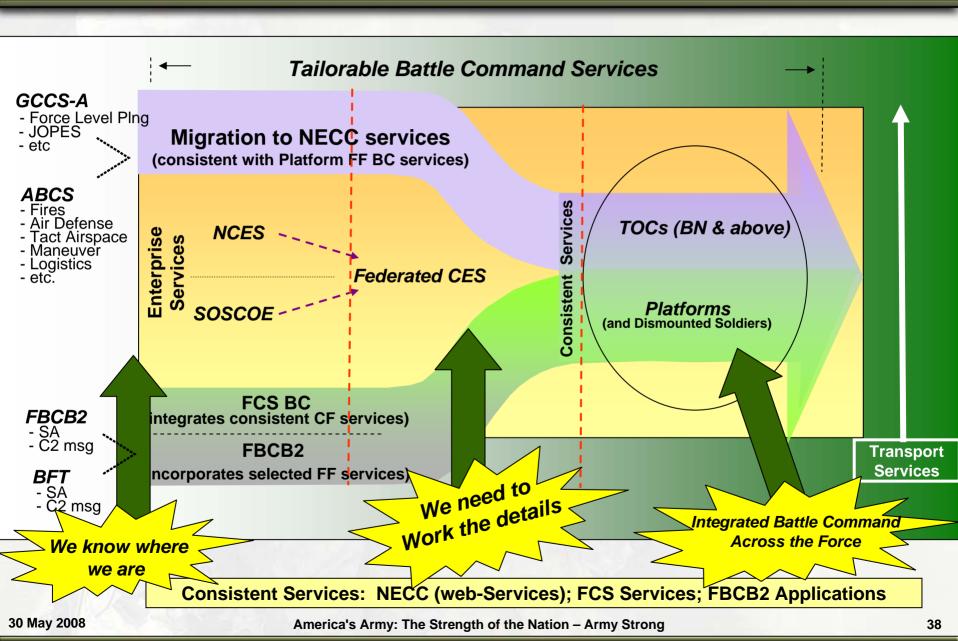




Unified Battle Command



Consistent services supporting alternative Network environments





CIO/G-6 Focus Areas

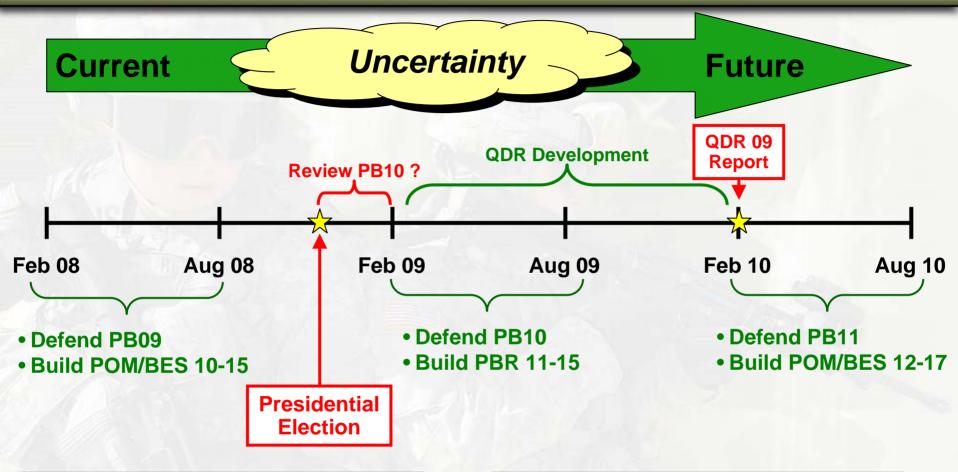


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POM 10-15 – Period of Uncertainty





- Operations in Persistent Conflict
- Quadrennial Defense Review
- High Cost of Modern War
- Capabilities Portfolio Management

- New President & Administration
- Congressional Priorities
- Increased Fiscal Scrutiny
- Supplementals: Size, Timeliness



Distribution of C4/IT Funding ...Across 6 PEGs (FY 2009 Budget)



Organizing PEG: \$449M

- Army Knowledge Online (AKO)
- Information Technology Agency (ITA)

Sustaining PEG: \$217M

- Global Combat **Service Support- Army** (GCSS-A)
- Deployment Automation

Equipping PEG: \$6.0B

- MILSATCOM
- Warfighter Information **Network- Tactical (WIN-T)**
- Joint Tactical Radio System (JTRS)
- Force 21 Battle Command **Brigade & Below (FBCB2)**
- Army Battlefield Command System (ABCS)

Training PEG: \$640M

- Distance Learning
- NETCOM

Total Army Funding

\$139B

C4/IT Funding

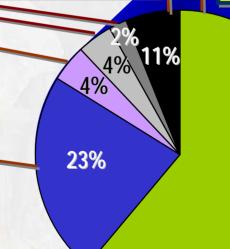
- \$9.97B
- 7.2% of Army TOA

Manning PEG: \$375M

- **Army Recruiter Information System** (ARIS)
- **HRC Automation**
- **MEPCOM Automation**

Installation PEG: \$2.25B

- Installation Information Infrastructure **Modernization Plan (I3MP)**
- Reserve Component Automation System (RCAS)
- Long Haul (NIPRNet, SIPRNet & DSN)
- Base Support
- Information Assurance (IA)



61%



Kudos to Industry



- * You are generating innovative ideas
- ★ You have shown great flexibility in responding to our needs

★ You have consistently supported our Warfighters



Challenges to Industry



★ Develop solutions to support Army's evolving and flexible architecture

★ Use open standards vs. proprietary systems

★ Maintain delivery of technical, cost, and schedule





Service-Disabled Vet-Owned Small Business (SDVOSB) Opportunities



- ★ Veterans Benefits Act of 2003 & Executive Order 13360 sets goal of 3% for SDVOSB Contracts
- ★Over 12,000 SDVOSB firms registered in Central Contractor Registration (CCR) Database
- ★Center for Veterans Enterprise maintain VetBiz Vendor Info Pages (VIP) Database
- ★Army Small Business Website useful resource for SDVOSB http://www.sellingtoarmy.info
- ★Government Services Agencies Website useful resource as well http://www.gsa.gov/portal





Conclusions!!!





Posturing for Persistent Conflict

...driving an Expeditionary Army



... Strategic Goals, NSC, Cyber Ops, KM, Data Czar & POM



...joint effort working with Industry



... Bottom Line to Joint Warfighter









Army Strong!

